

## **PRODUCTION DATA REPORT**

**Project 1108-13**

**Supplementary Report Eleven**

**to**

**FOURDRINIER KRAFT BOARD INSTITUTE, INC.**

**August 1, 1955**

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DO NOT REMOVE

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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The production data contained herein represent the production of linerboard as reported by the following Fourdrinier Kraft Board Institute member mills for the second quarter of 1955:

The Brown Paper Mill Co., Inc.

The Chesapeake Corporation of Virginia

Continental Can Company, Inc.

Gaylord Container Corporation

International Paper Company

Macon-Rome Kraft Company

National Container Corporation

North Carolina Pulp Co. & Kieckhefer Container Co.

St. Joe Paper Company

St. Regis Paper Company

Southern Paperboard Corporation

Union Bag and Paper Corporation

West Virginia Pulp and Paper Company

As in previous reports, the data have been tabulated according to (1) total production by quarters and (2) production by grades by quarters.

The total production for the first and second quarters of 1955 is given in Table I and graphically illustrated in Figure 1. The total production for 1954 is also included in Table I and Figure 1 for comparison. The production by grades per quarter may be seen in Table II

together with the corresponding tonnages for the previous four quarters. In addition, percentage production by grades is given in Table III for the current quarter and the previous four quarters. These figures are based on the total production per quarter computed separately with the miscellaneous figure included and with the miscellaneous figure excluded. The major tonnage grades--namely, 26-lb., 33-lb., 38-lb., 42-lb., 47-lb., 69-lb., 90-lb., and miscellaneous are illustrated in Figures 2 through 9, respectively, together with the production for the previous quarters.

In order to give a better perspective of the above data, the tonnages for the major grades have been plotted on a semi-logarithmic scale (see Figure 10) for the purpose of comparing the change in production of these grades. A useful measure is the "percentage change" which is defined as the change in production in tons for the present quarter divided by the tonnage level of the previous quarter. The advantage of semi-log graphs in this case is that the "percentage change" may be compared readily even though the magnitude of the tonnage levels may be vastly different. When two lines are parallel (regardless of magnitude), the "percentage change" of these two items is the same. When two lines are not parallel, the one with the greater (steeper) slope has the higher "percentage change."

There are a number of comparisons which may be of interest. Some of these are the following:

1. The figure for total production increased from 886.5 thousand tons for the first quarter of 1955 to 945.6 thousand tons for the second

quarter of 1955, the highest tonnage recorded since the inception of these reports. If this rate of production continues throughout the year, the yearly tonnage will be in the neighborhood of 3-1/2 million tons.

2. Compared with the first quarter of 1955, the tonnages of all major grades increased as shown below:

	1955 Tonnages	
	First Quarter	Second Quarter
26-lb.	74,470	83,798
33-lb.	47,507	52,559
38-lb.	60,999	71,086
42-lb.	399,826	429,010
47-lb.	36,952	43,892
69-lb.	94,340	104,621
90-lb.	45,291	50,210

3. The tonnage of miscellaneous linerboard decreased from 91,673 for the first quarter of 1955 to 85,267 for the second quarter of 1955.

TABLE I

TOTAL PRODUCTION OF ALL GRADES

Total Tonnage	
1954	
1st quarter	720,954
2nd quarter	770,597
3rd quarter	765,742
4th quarter	853,434
1955	
1st quarter	886,487
2nd quarter	945,631

Figure 1. Paper Board Production of All Grades

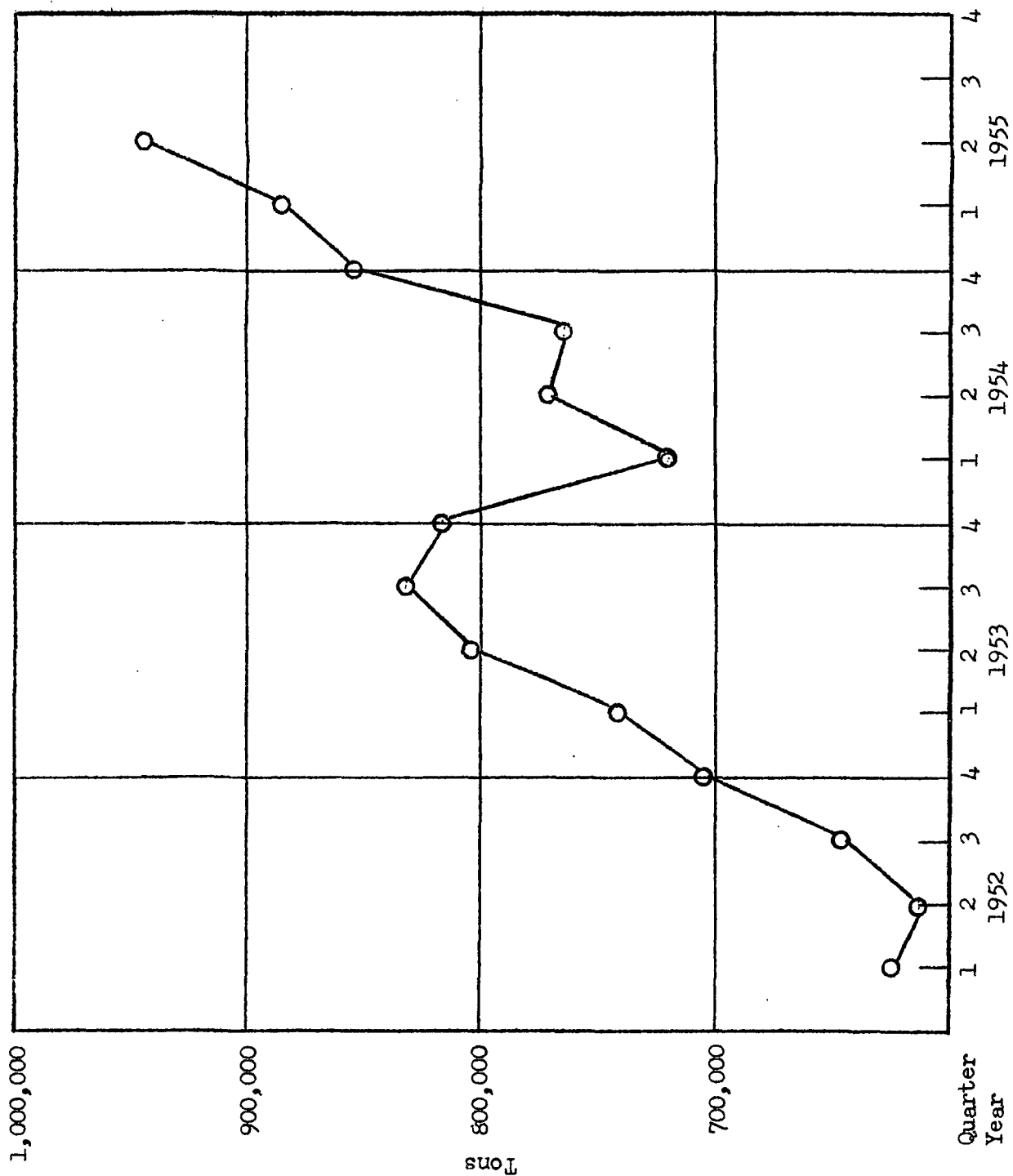


TABLE II  
TOTAL TONNAGE BY GRADE

	26-lb.	28-lb.	30-lb.	32-lb.	33-lb.	36-lb.	37-lb.	38-lb.	40-lb.	42-lb.	
1954											
2nd quarter	76,843	5,347	--	314	42,568	317	--	46,468	27	361,666	
3rd quarter	72,913	5,485	930	559	35,905	513	--	55,313	--	363,272	
4th quarter	77,474	2,301	444	635	41,648	71	512	61,492	--	395,928	
1955											
1st quarter	74,470	2,948	2,113	465	47,507	1,251	357	60,999	768	399,826	
2nd quarter	83,798	3,120	2,759	533	52,559	153	--	71,086	--	429,010	
	45-lb.	47-lb.	48-lb.	50-lb.	51-lb.	52-lb.	54-lb.	56-lb.	57-lb.	58-lb.	
1954											
2nd quarter	--	50,824	--	1,558	3,253	1,074	--	415	--	--	
3rd quarter	88	43,774	--	672	670	1,099	--	371	--	--	
4th quarter	13,827	39,947	--	877	44	1,359	--	441	--	--	
1955											
1st quarter	13,612	36,952	--	1,431	209	1,307	--	253	204	--	
2nd quarter	13,358	43,892	785	836	769	1,555	--	155	--	9	
	59-lb.	60-lb.	62-lb.	64-lb.	65-lb.	69-lb.	75-lb.	85-lb.	90-lb.	92-lb.	Miscellaneous
1954											
2nd quarter	--	--	--	6,851	--	72,930	--	5	39,791	--	60,346
3rd quarter	--	27	100	5,998	--	74,291	11	62	38,961	--	64,728
4th quarter	155	67	482	8,348	917	92,112	281	--	42,835	33	71,204
1955											
1st quarter	144	--	94	7,577	2,417	94,340	279	--	45,291	--	91,673
2nd quarter	--	--	230	282	423	104,621	221	--	50,210	--	35,267

TABLE III

TOTAL PRODUCTION BY GRADES, PER CENT

	26-lb. Grade		28-lb. Grade		30-lb. Grade		32-lb. Grade		33-lb. Grade		36-lb. Grade		37-lb. Grade		38-lb. Grade		40-lb. Grade		42-lb. Grade	
	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>
1954																				
2nd quarter	10.0	10.8	0.7	0.8	--	--	c	c	5.5	6.0	c	c	--	--	6.0	6.5	c	c	46.9	50.9
3rd quarter	9.5	10.4	0.7	0.8	0.1	0.1	0.1	0.1	4.7	5.1	0.1	0.1	--	--	7.2	7.9	--	--	47.4	51.8
4th quarter	9.1	9.9	0.3	0.3	0.1	0.1	0.1	0.1	4.9	5.3	c	c	0.1	0.1	7.2	7.9	--	--	46.4	50.6
1955																				
1st quarter	8.4	9.4	0.3	0.4	0.2	0.3	0.1	0.1	5.4	6.0	0.1	0.2	c	c	6.9	7.7	0.1	0.1	45.1	50.3
2nd quarter	8.9	9.7	0.3	0.4	0.3	0.3	0.1	0.1	5.6	6.1	c	c	--	--	7.5	8.3	--	--	45.4	49.9
	45-lb. Grade		47-lb. Grade		48-lb. Grade		50-lb. Grade		51-lb. Grade		52-lb. Grade		56-lb. Grade		57-lb. Grade		58-lb. Grade		59-lb. Grade	
	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>
1954																				
2nd quarter	--	--	6.6	7.2	--	--	0.2	0.2	0.4	0.5	0.1	0.2	0.1	0.1	--	--	--	--	--	--
3rd quarter	c	c	5.7	6.2	--	--	0.1	0.1	0.1	0.1	0.1	0.2	c	0.1	--	--	--	--	--	--
4th quarter	1.6	1.8	4.7	5.1	--	--	0.1	0.1	c	c	0.2	0.2	0.1	0.1	--	--	--	--	c	c
1955																				
1st quarter	1.5	1.7	4.2	4.6	--	--	0.2	0.2	c	c	0.1	0.2	c	c	c	c	--	--	c	c
2nd quarter	1.4	1.6	4.6	5.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	c	c	--	--	c	c	--	--
	60-lb. Grade		62-lb. Grade		64-lb. Grade		65-lb. Grade		69-lb. Grade		75-lb. Grade		85-lb. Grade		90-lb. Grade		92-lb. Grade		Miscellaneous	
	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>	With <sup>a</sup>	With- out <sup>b</sup>
1954																				
2nd quarter	--	--	--	--	0.9	1.0	--	--	9.5	10.3	--	--	c	c	5.2	5.6	--	--	7.8	8.5
3rd quarter	c	c	c	c	0.8	0.9	--	--	9.7	10.6	c	c	c	c	5.1	5.6	--	--	8.5	8.3
4th quarter	c	c	0.1	0.1	1.0	1.1	0.1	0.1	10.8	11.8	c	c	--	--	5.0	5.5	c	c	8.3	8.3
1955																				
1st quarter	--	--	c	c	0.9	1.0	0.3	0.3	10.6	11.9	c	c	--	--	5.1	5.7	--	--	10.3	9.0
2nd quarter	--	--	c	c	c	c	c	c	11.1	12.2	c	c	--	--	5.3	5.8	--	--	9.0	9.0

a Percentage based on the total production of all grades including Miscellaneous.  
b Percentage based on the total production of all grades excluding Miscellaneous.  
c Less than a tenth of a per cent after rounding off.



Figure 2. Production, 26-lb.

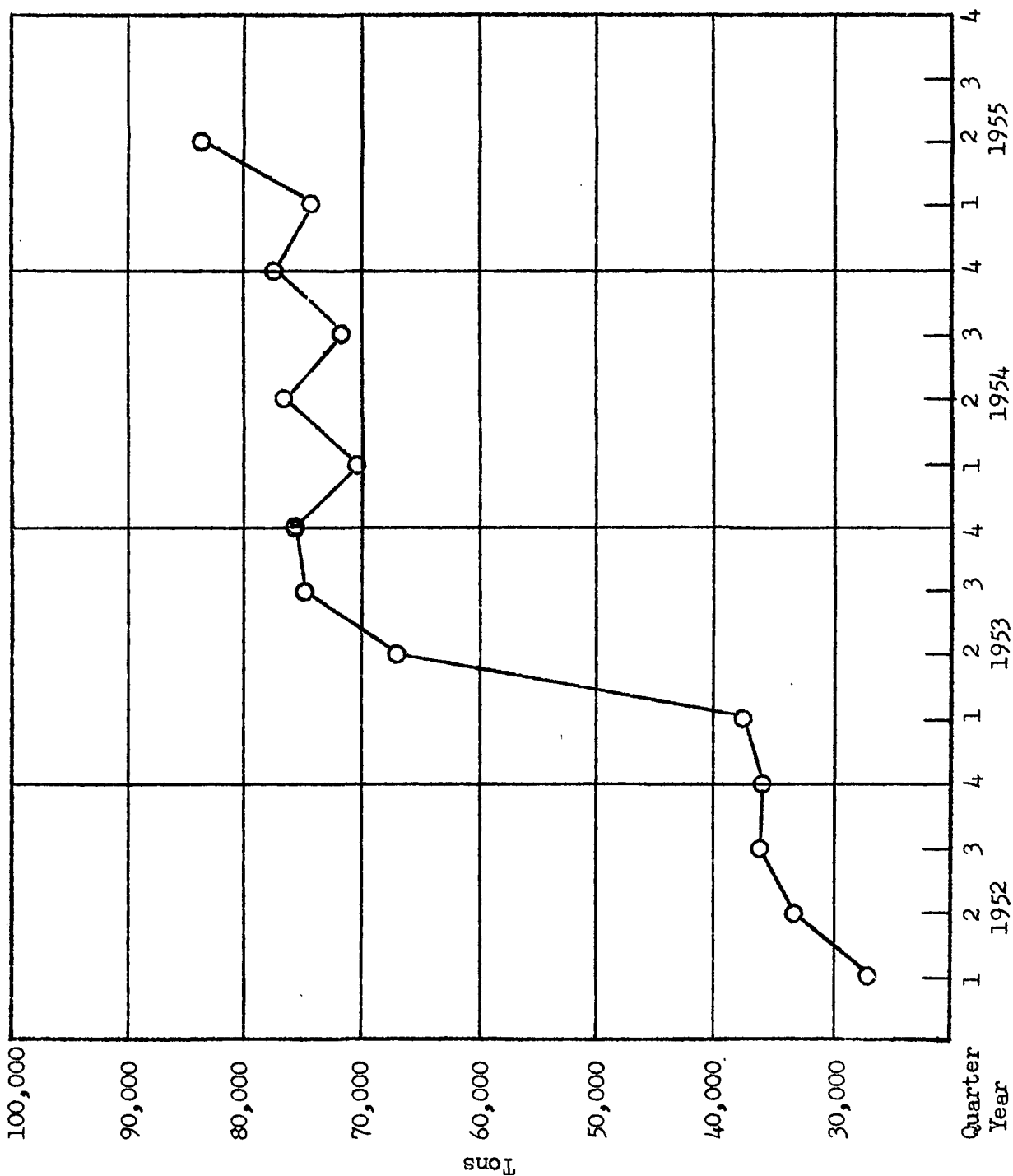


Figure 3. Production, 33-lb.

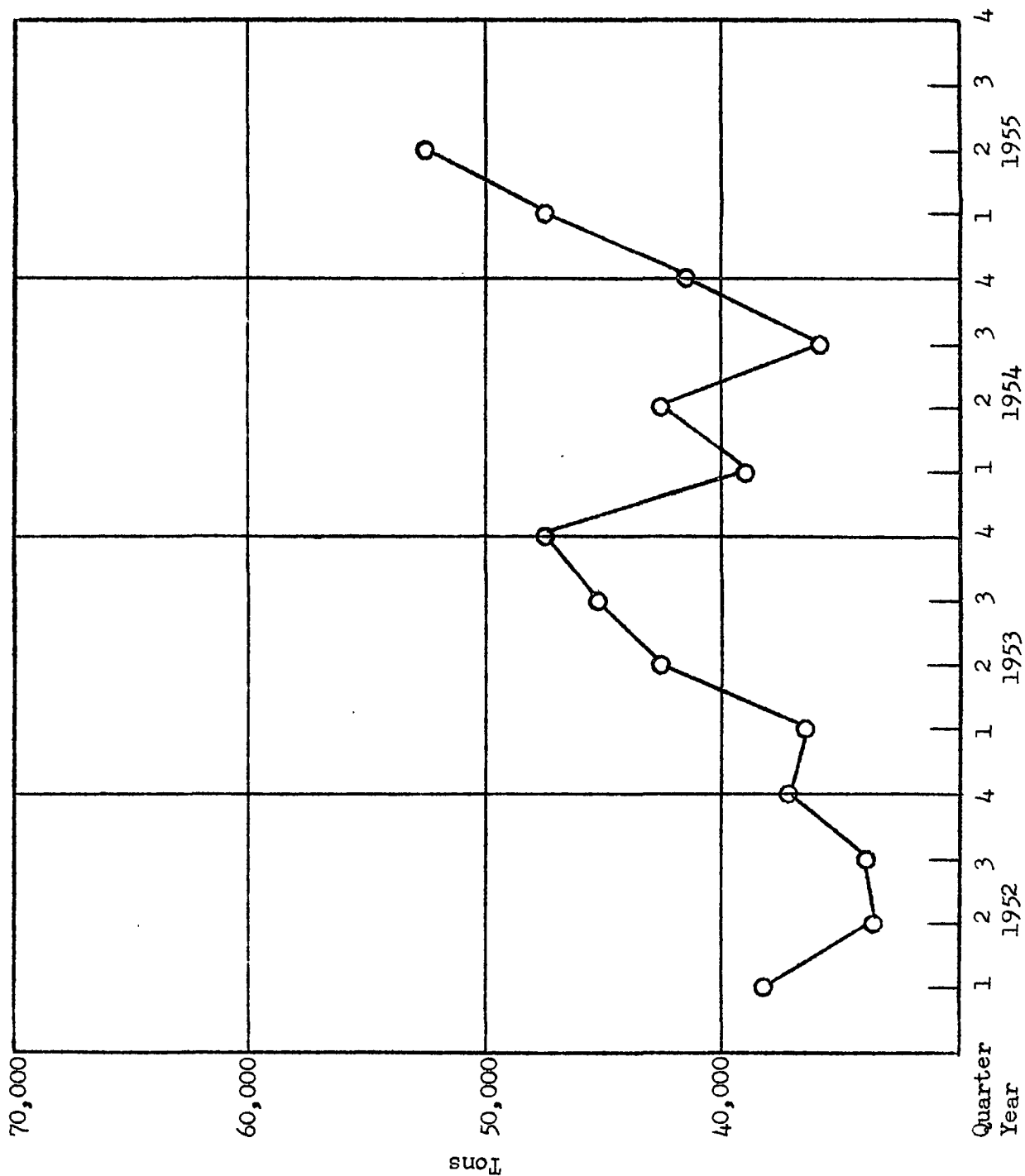


Figure 4. Production, 38-lb.

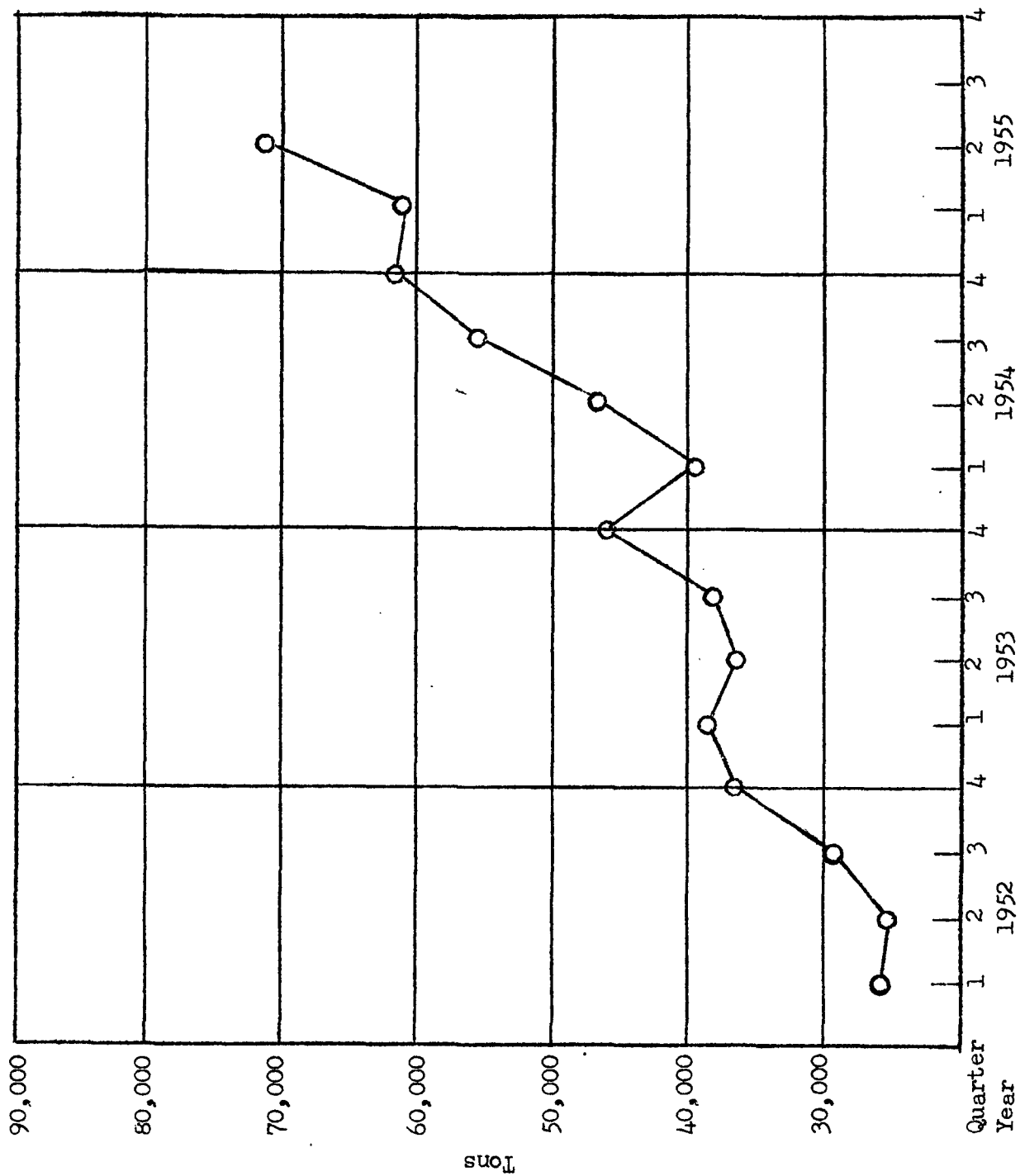


Figure 5. Production, 42-lb.

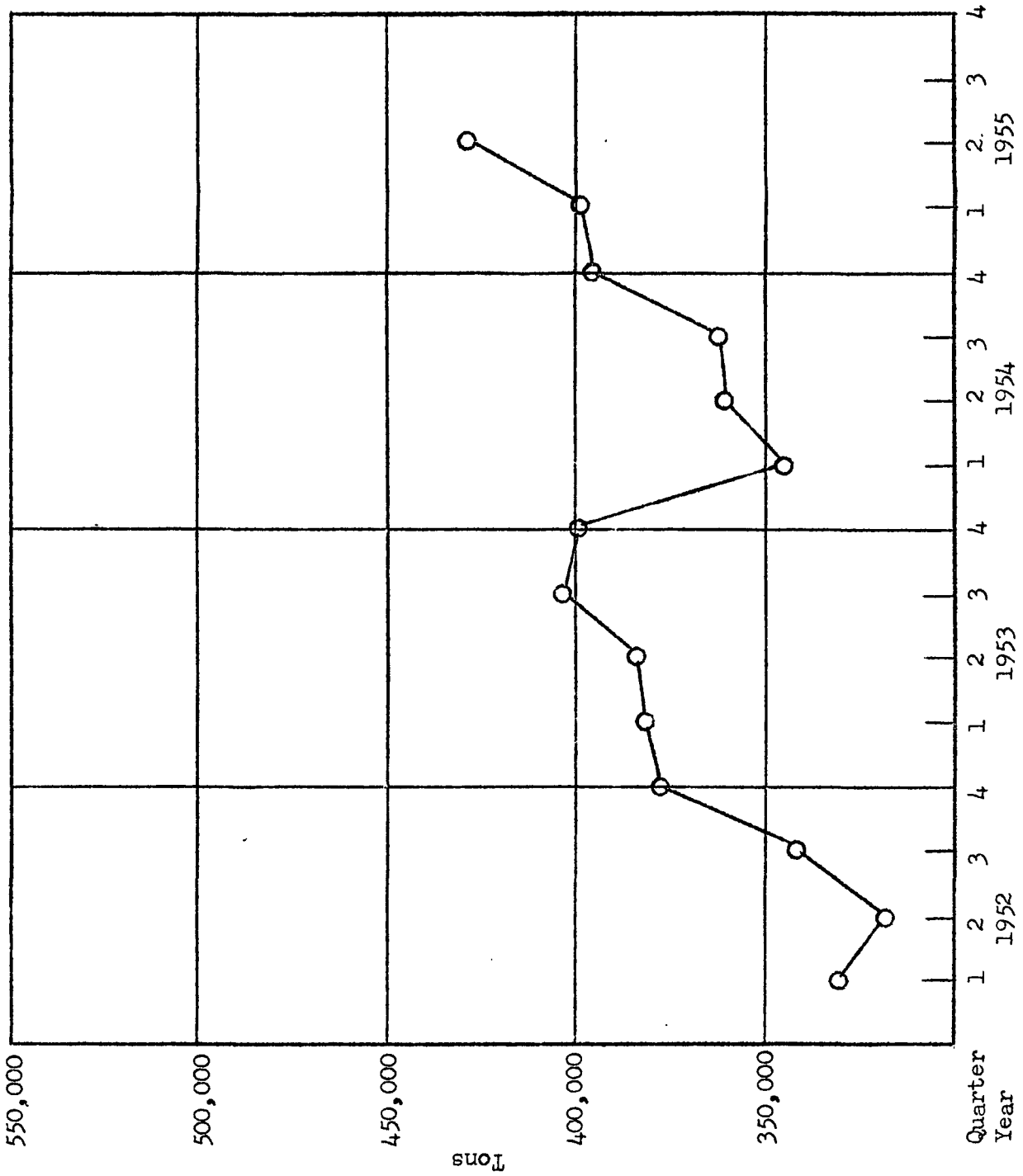


Figure 6. Production, 47-lb.

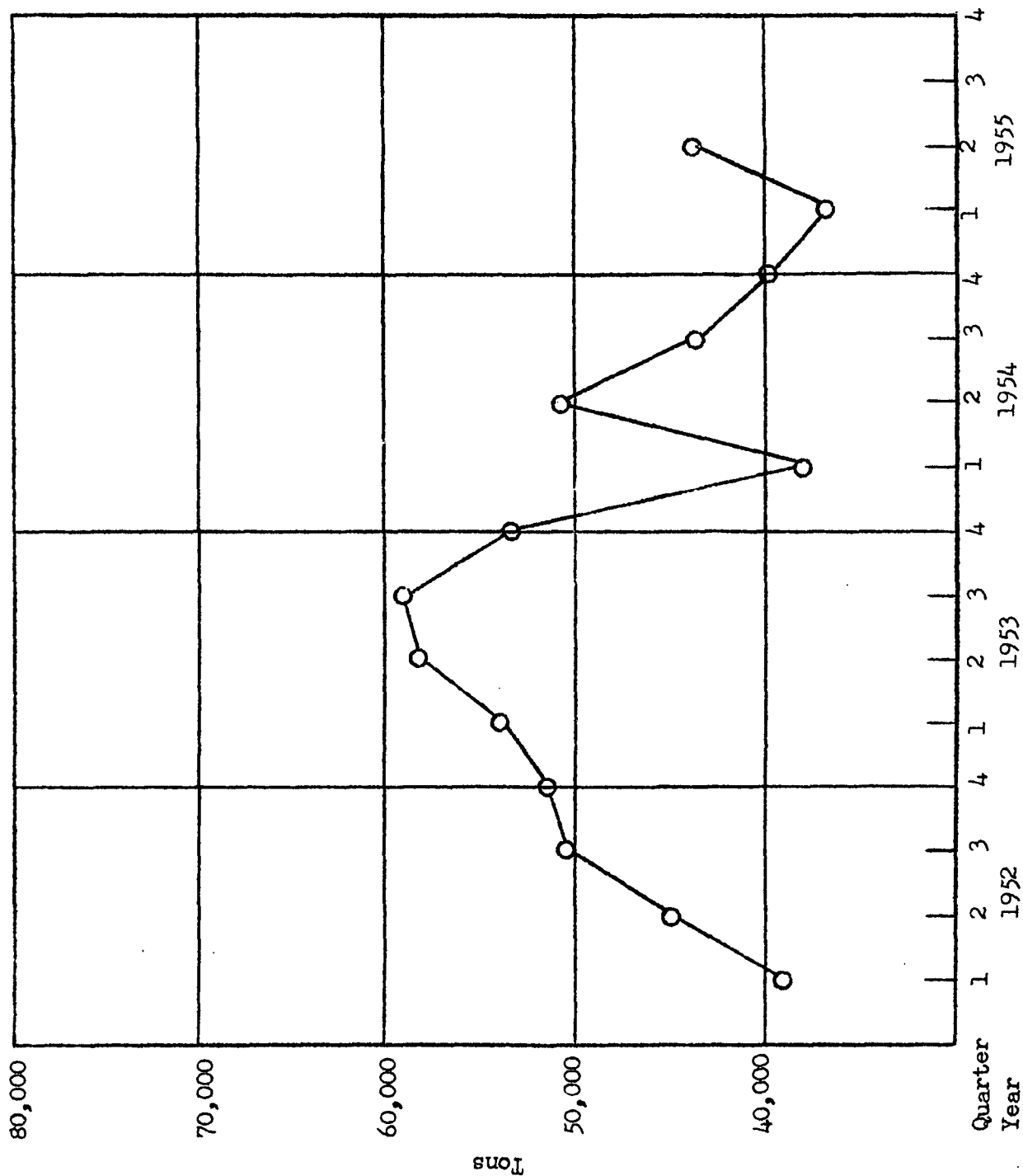


Figure 7. Production, 69-lb.

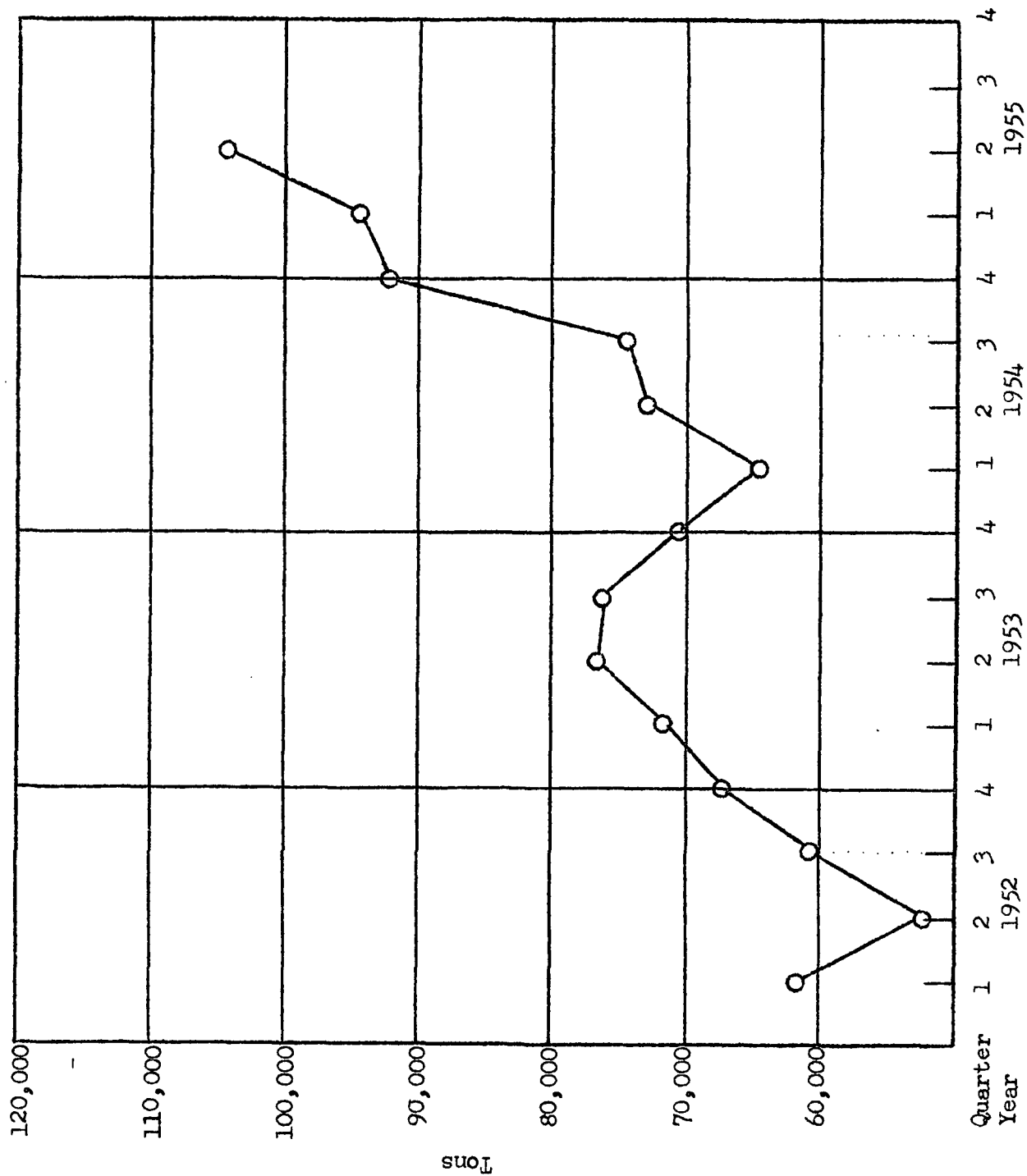


Figure 8. Production, 90-lb.

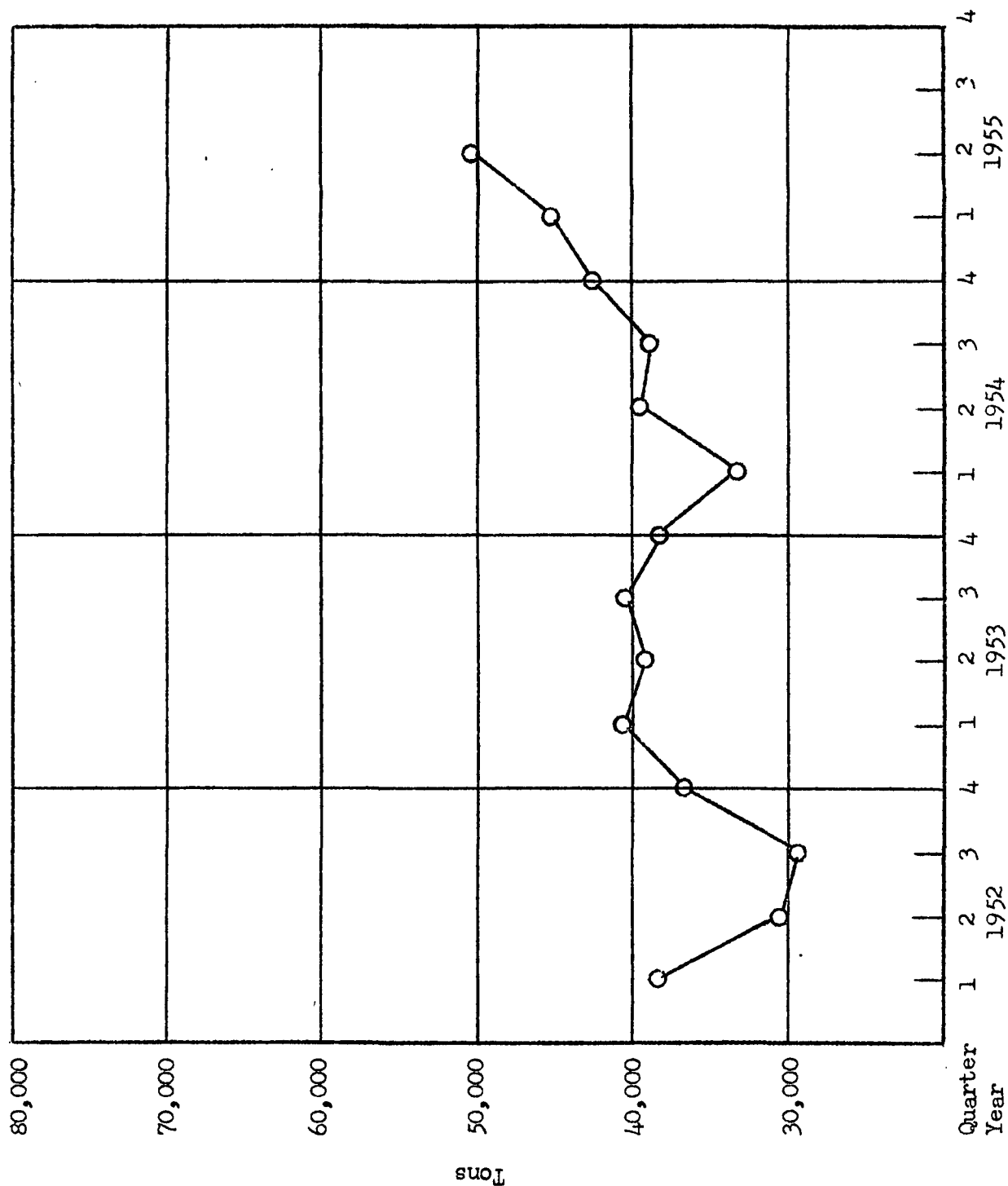
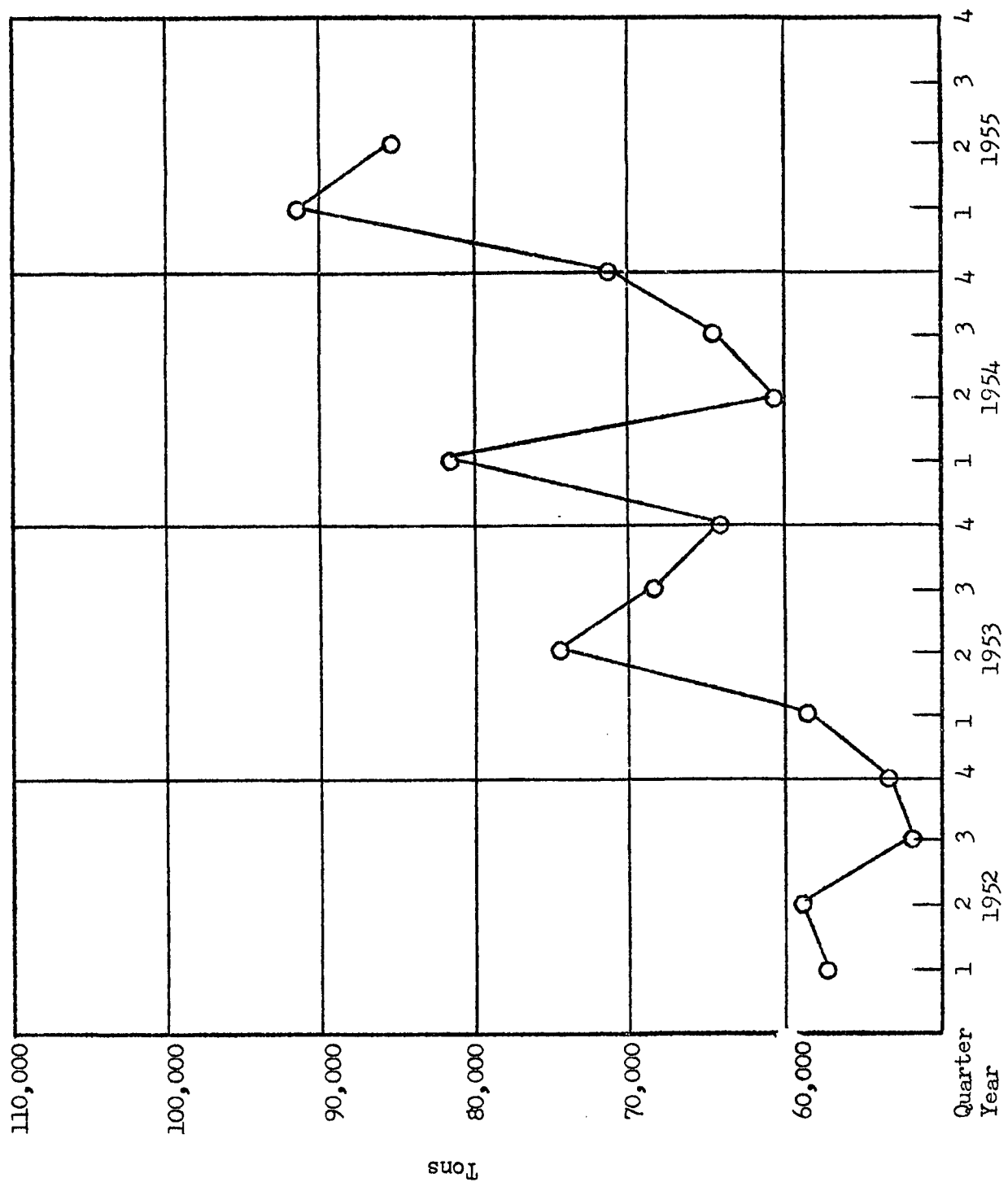


Figure 9. Production, Miscellaneous





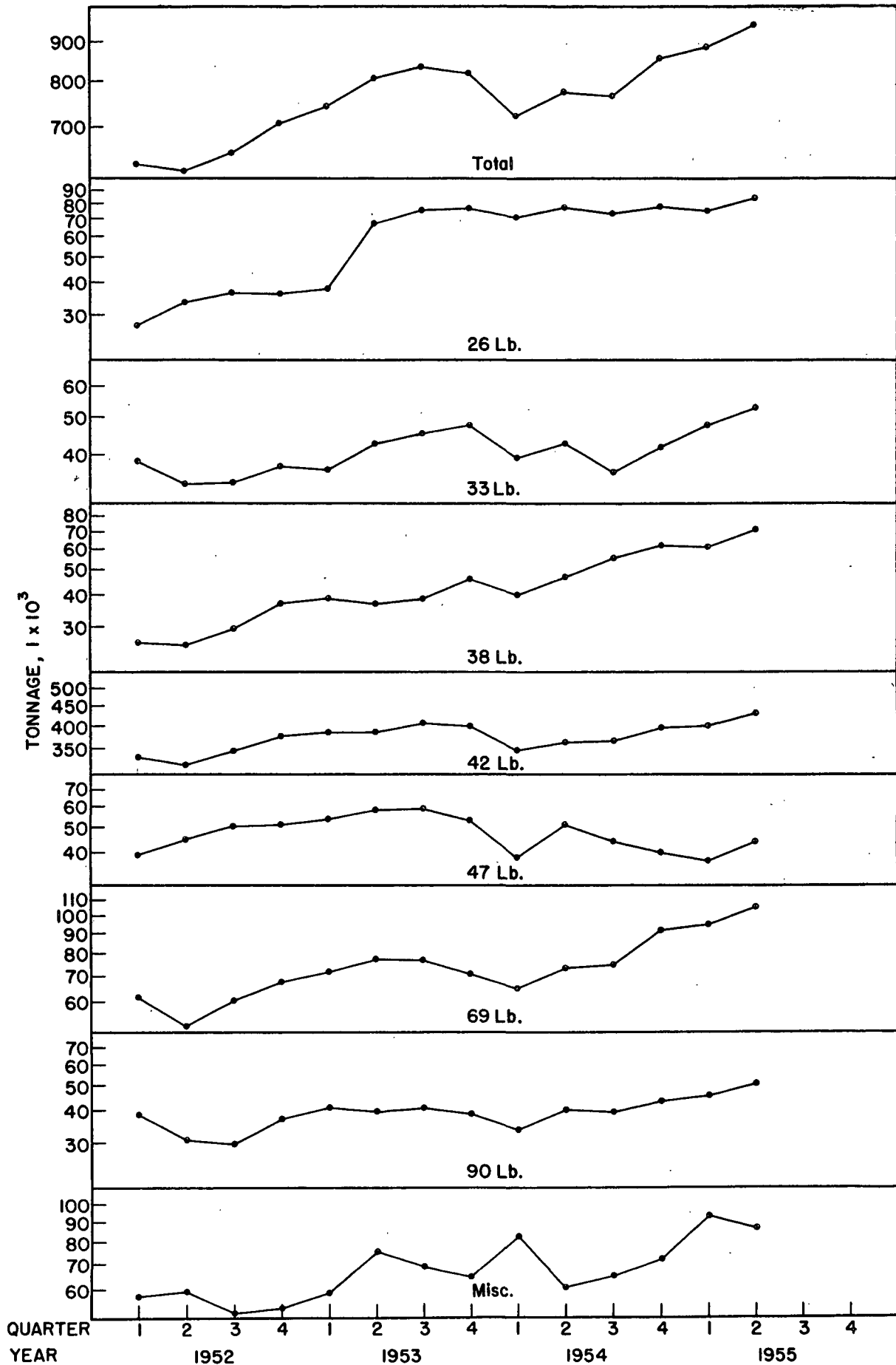


Figure 10.  
Comparison of Percentage Changes in Production for All Grades

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